

STAFFORD COUNTY SCHOOL BOARD

Agenda Consideration

TOPIC: Award of Contract: Network
Operations Center HVAC &
Power Upgrade - CFHS

ITEM NO.: 13F

PREPARED BY: Scott Horan,
Executive Director
Planning & Construction

MEETING: May 9, 2006

April 27, 2006

ACTION DATE: May 9, 2006

Andre' A. Nougaret,
Assistant Superintendent
for Support Services

ACTION REQUESTED BY THE SUPERINTENDENT: That the School Board approve the award of a construction contract in the amount of \$399K to Acme Mechanical of 7910 Notes Drive Manassas, Virginia 20109 for the Network Operations Center (NOC) HVAC & Power Upgrade at CFHS.

KEY POINTS:

1. The Instructional Technology and Informational Systems Department has established their computer Network Operations Center (NOC) for the school district at CFHS due to its geographic location (center of the county) and ability to provide wide area network (WAN) and other electronic connectivity to all of the schools in the district.
2. The computer room at CFHS was originally designed to handle the anticipated central computer and media center requirements for a 1800 student high school including existing and future cooling and power loads. When the use of the room was changed to add additional computer support for the district the HVAC and power infrastructure were identified to be inspected/evaluated to determine if an upgrade was required.
3. In August 2005 staff utilized the services of Hurd & Obenchain (Mechanical and Electrical Engineers), one of SCPS's professional consulting open-ended A/Es, to evaluate the existing HVAC and power infrastructure and determine if either needed to be upgraded based on projected NOC needs. The evaluation was completed in September 2005 and recommended both short-term and long-term upgrades. Due to immediate power fluctuations and overloading problems, staff utilized the Job Order Contract (Centennial) contractor to perform recommended short-term power upgrades. These upgrades were completed in October 2005. In late September, staff initiated the design of the long-term HVAC and power upgrades utilizing the same engineer. Long-term HVAC and power upgrades included increasing the size of the HVAC units for more cooling, placing the NOC on emergency power back up and increasing the size of the emergency generator.
4. In March 2006 the long-term design was completed and the bid package was advertised through the Stafford County Purchasing Department. A pre-bid conference

was held on April 11, 2006. Six (6) bidders either attended or requested bid packages. On April 27, 2006 bids were opened. Two (2) bidders provided bids. The low bidder was Acme Mechanical from Manassas, Virginia with a bid of \$399K.

5. The project will be funded using proffer funds recently obtained from Stafford County and approved by the School Board on March 28, 2006. The original estimate for the project was \$350K. Staff recommends that additional funding necessary (\$49K) be derived from the proffer funds intended to partially fund the CFHS stadium field drainage remediation project. It is hoped that this project can be revisited as a priority when funds are available. Total proffer funding for this project will now be \$399K.

6. If approved by the School Board, staff plans to award the contract to Acme Mechanical and issue a notice to proceed immediately. Work will not start until after June 20, 2006 and is scheduled to be completed in late August 2006.

SCHOOL BOARD GOAL: #5 – Provide facilities that promote student learning and community support.

#7 – Provide school environments where teachers are safe to teach and students are safe to learn

FUNDING SOURCE: Proffer Funds

AUTHORIZATION REFERENCE:

February 2006

Stafford County School Board Policy 4-12

Stafford County School Board Policy 4-29